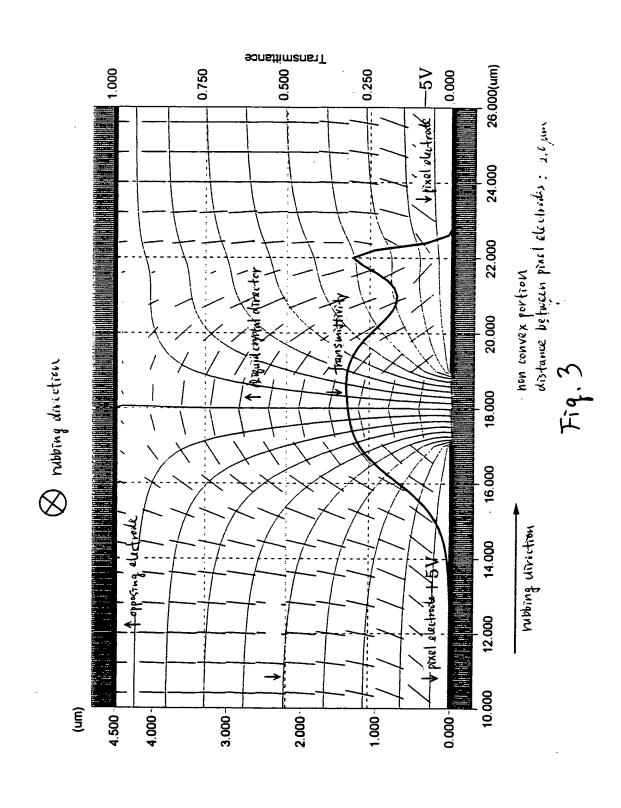
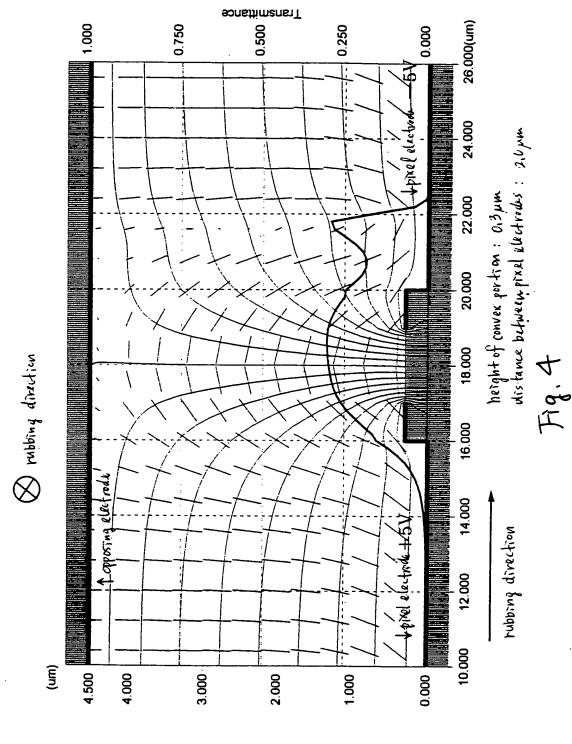
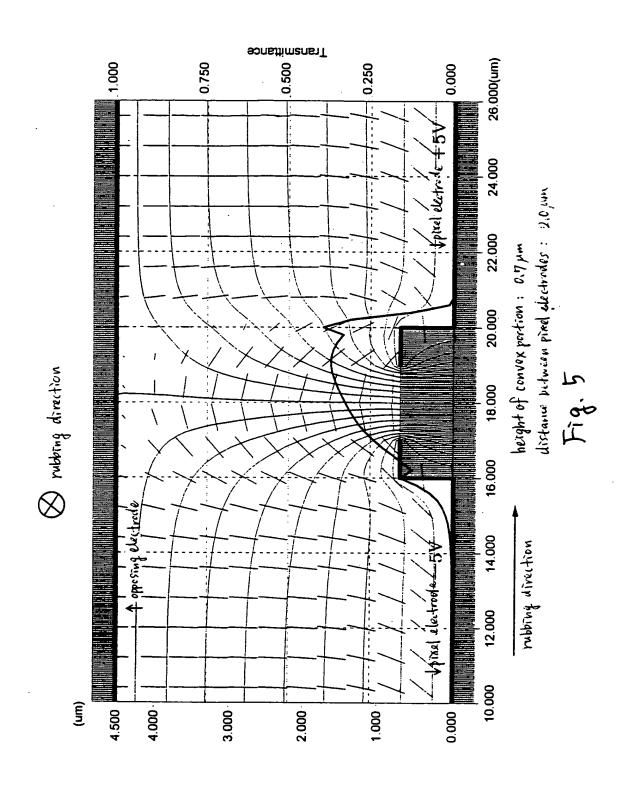


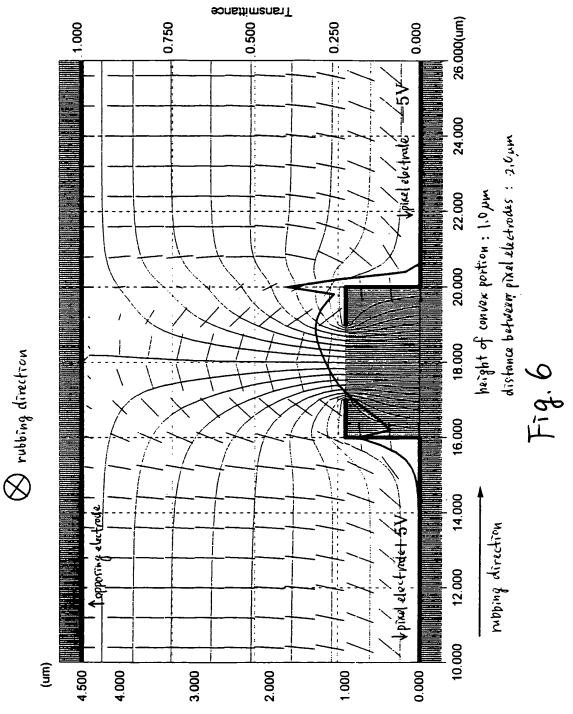
a:first region of the pixel electrodee b:second region of the pixel electrode c:third region of the pixel electrode

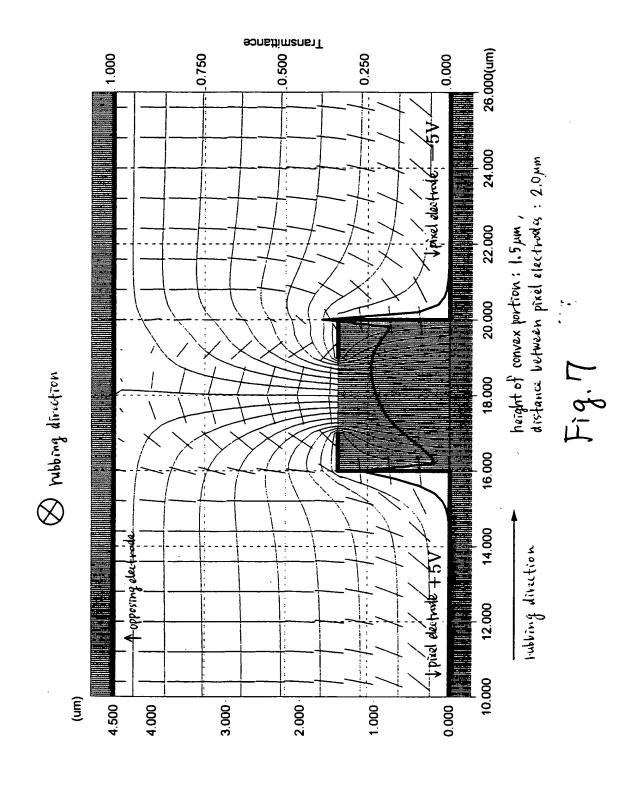
o:width of the first region of the pixel electrode d:cell gap p:pixel pitch s:distance between pixel electrodes h:height of convex portion x, y:widths of light leakage and disclination











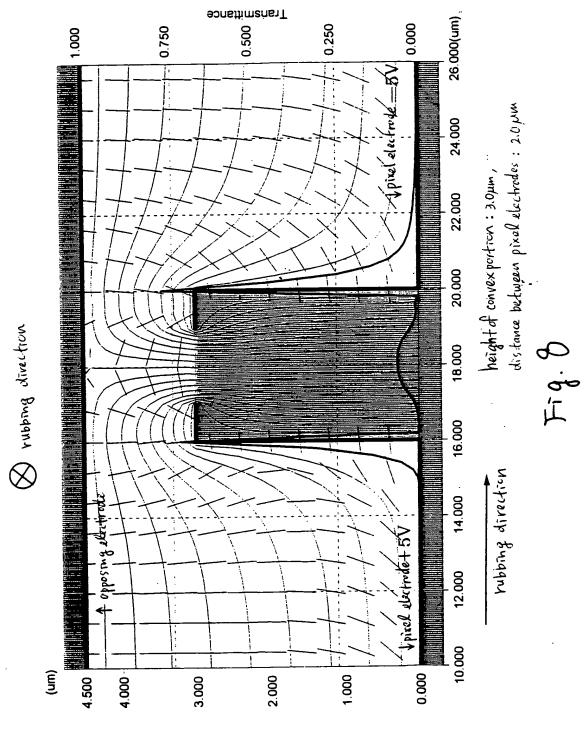
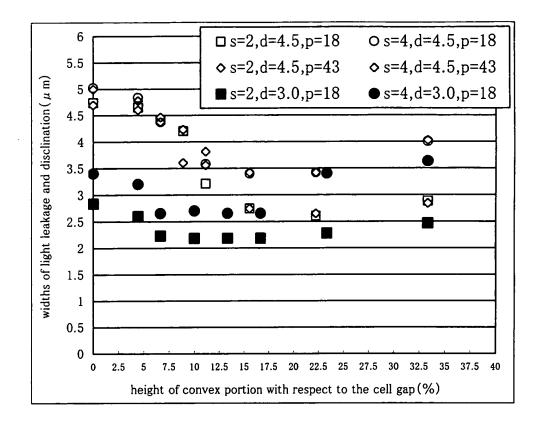


Fig. 9



 $d:cell gap(\mu m)$

s: distance between pixel electrodes (μ m)

p:pixel pitch (μ m)

relationship between widths of light leakage and disclination (x) and height of convex portion (h)

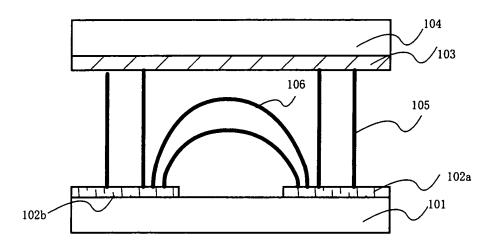


Fig. 10

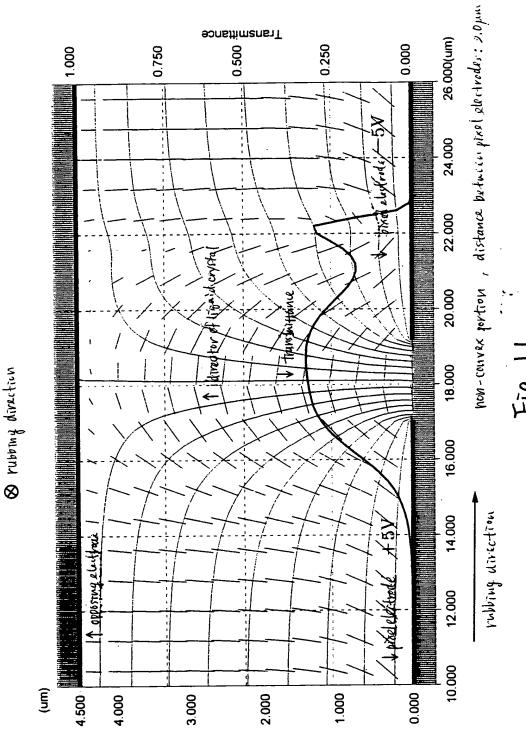


Fig. 11

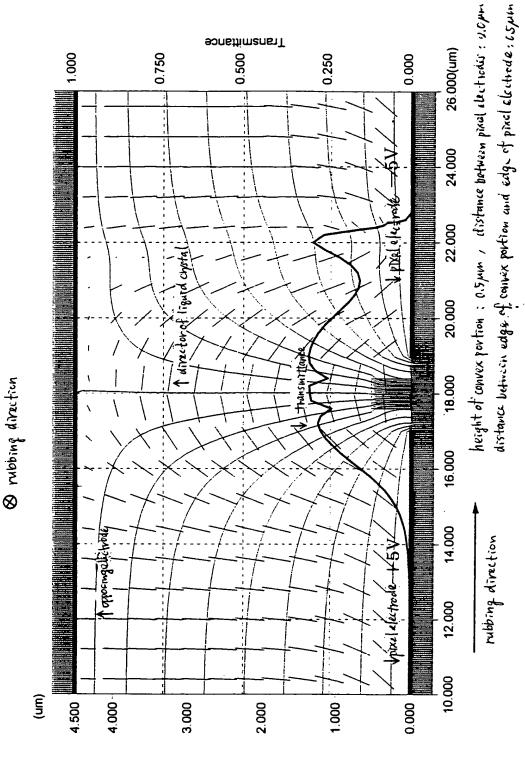
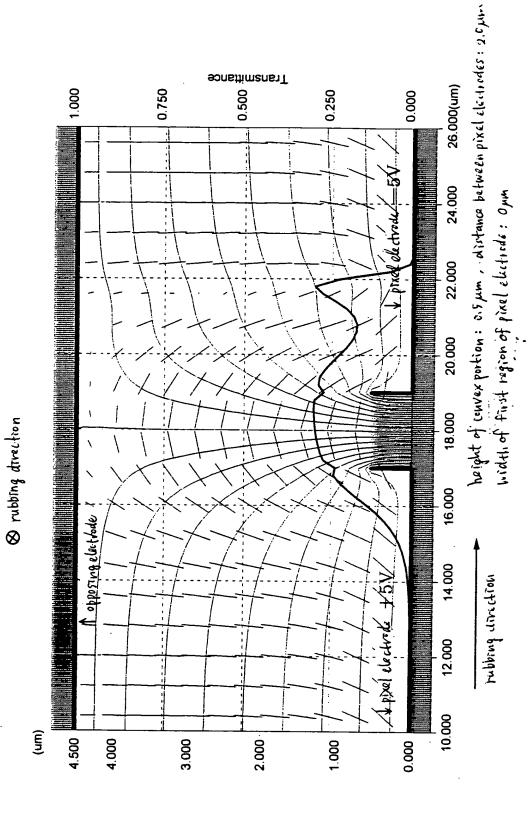
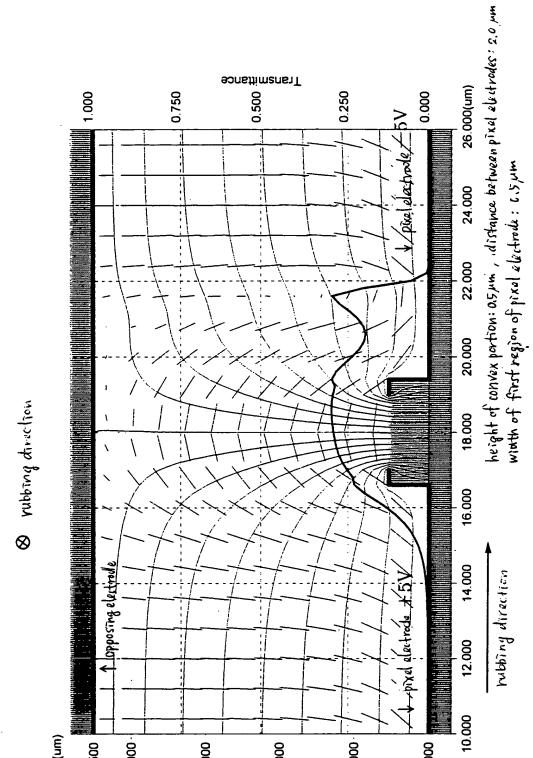


Fig. 12



Frg. 13



0.50 00 Transmittance

0.750

1.000

(mn)

4.500

4.000

3.000

Fig. 14

26.000(um)

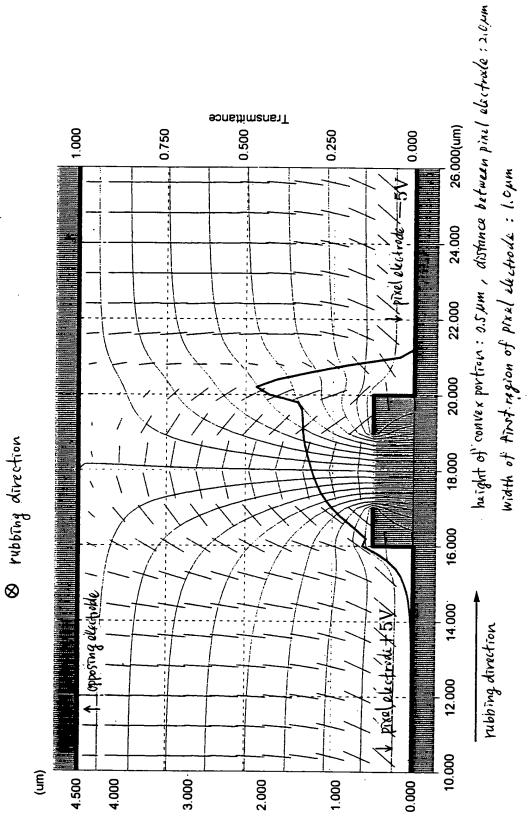
0.000

0.000

1.000

2.000

0.250



F18.15

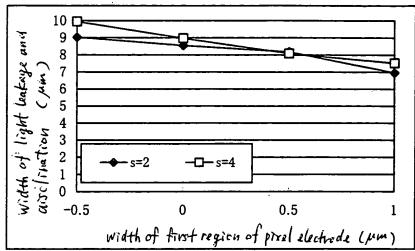


Fig. 16A

The relation between width of first region of pixel electrode and width of disclination and right leakage

distance petween pixel electrodes: 2.0 pm (5=2), 4.0 pm (N=4)

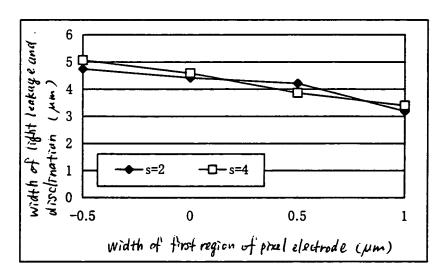


Fig. 16 B

The relation between width of first region of pixel electrode and width of disclination and light leakage

distance between proxel electrodes: 20 mm (x=2), 40 mm (x=4)

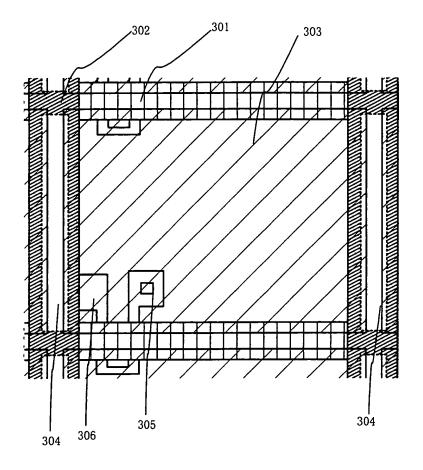


Fig. 17

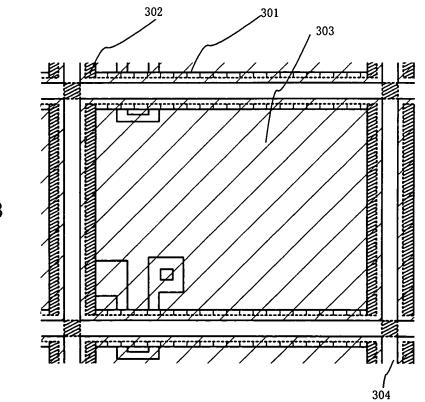
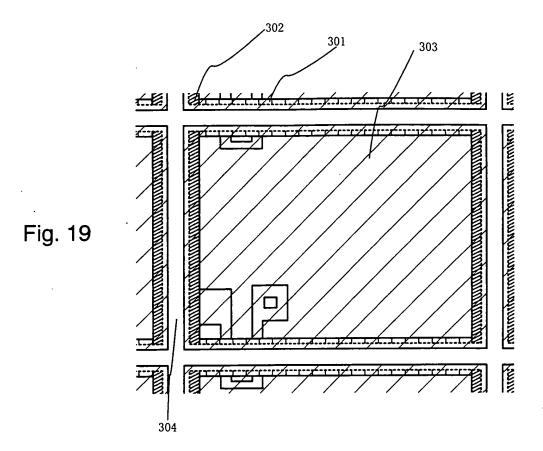
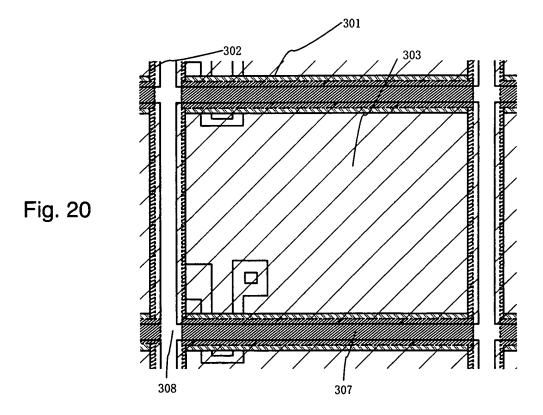
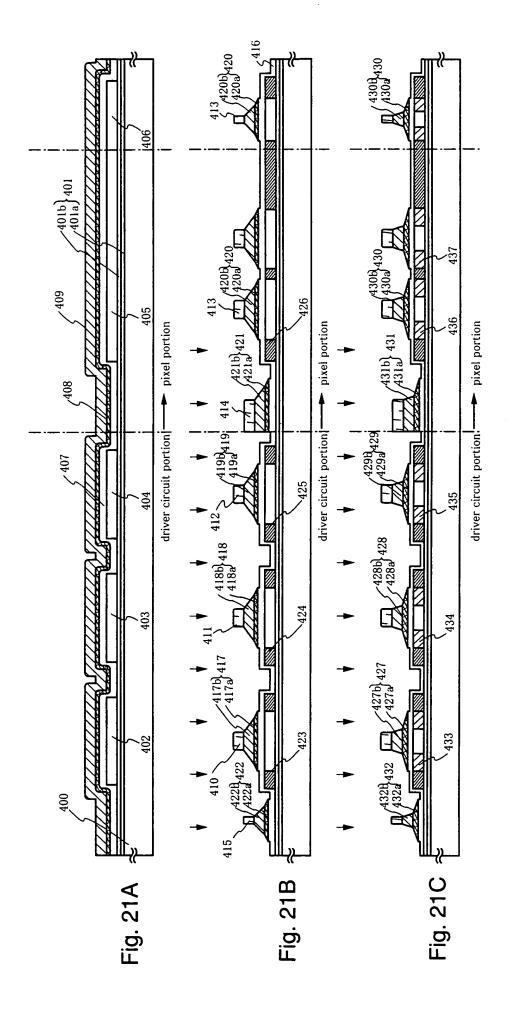
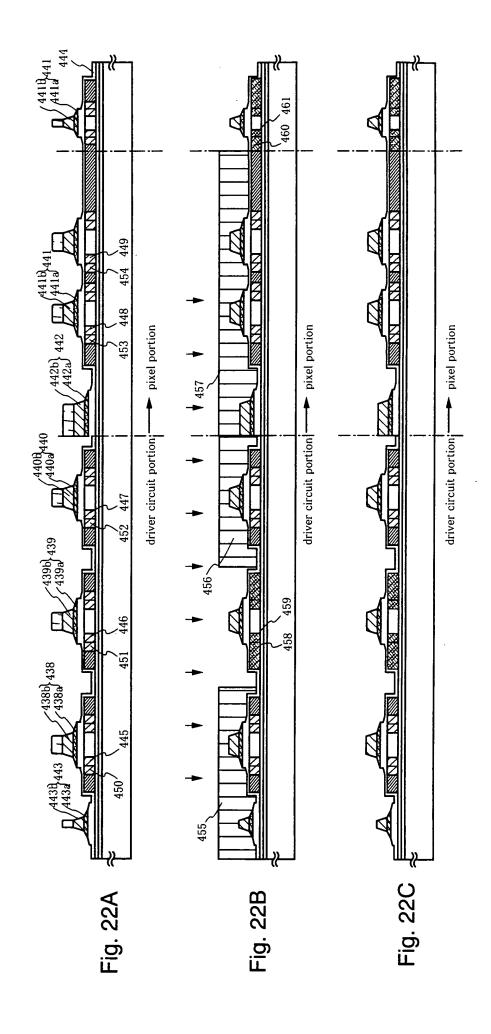


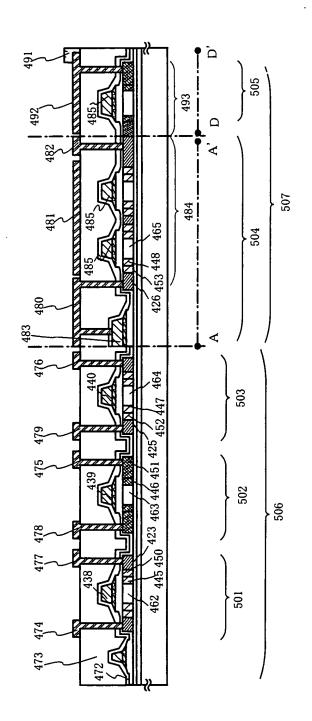
Fig. 18











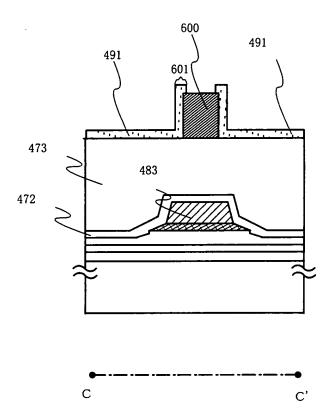


Fig. 24

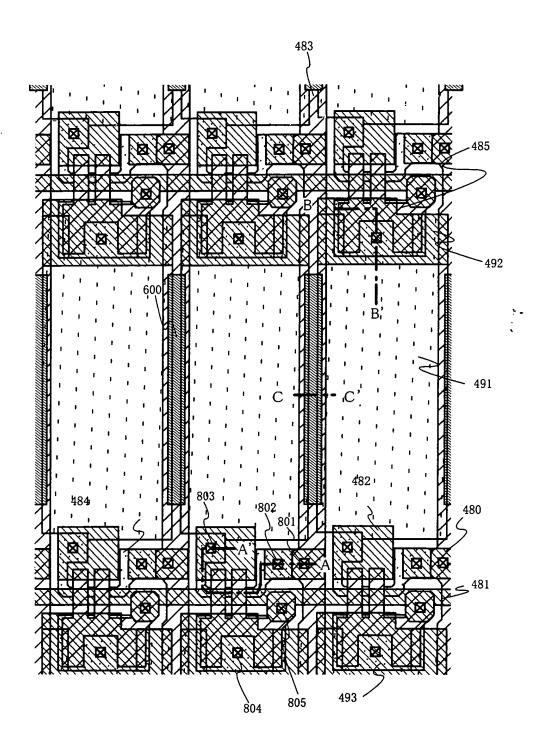


Fig. 25

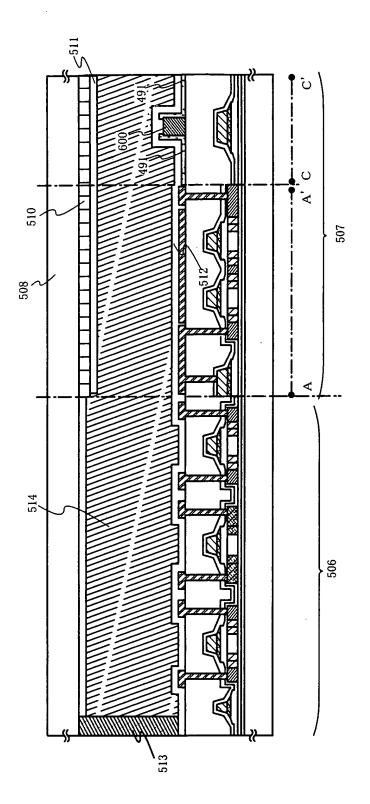


Fig. 26

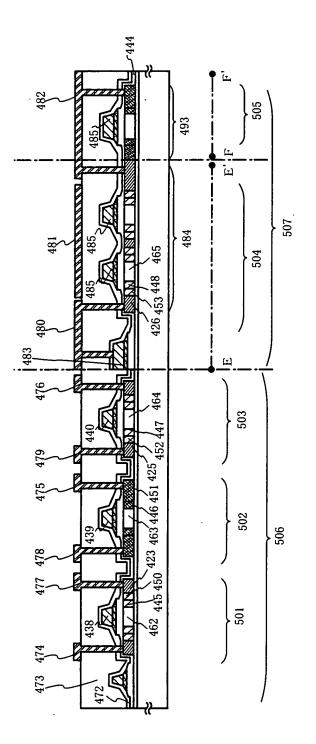


Fig. 2/

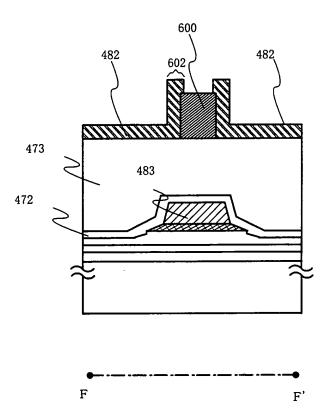


Fig. 28

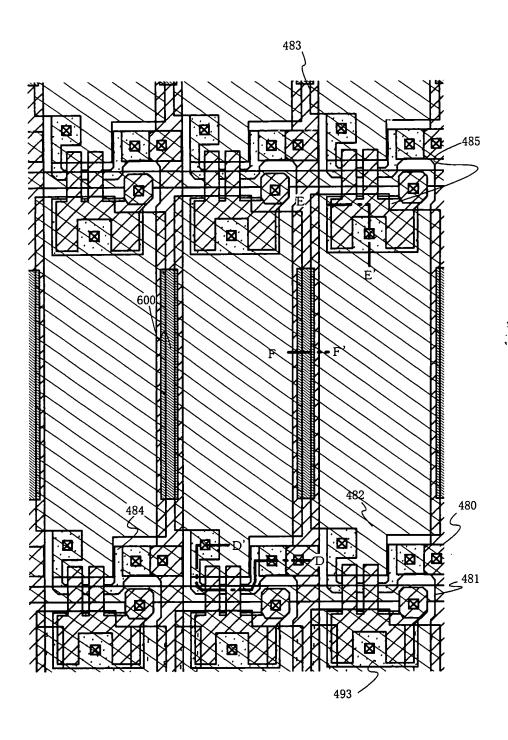
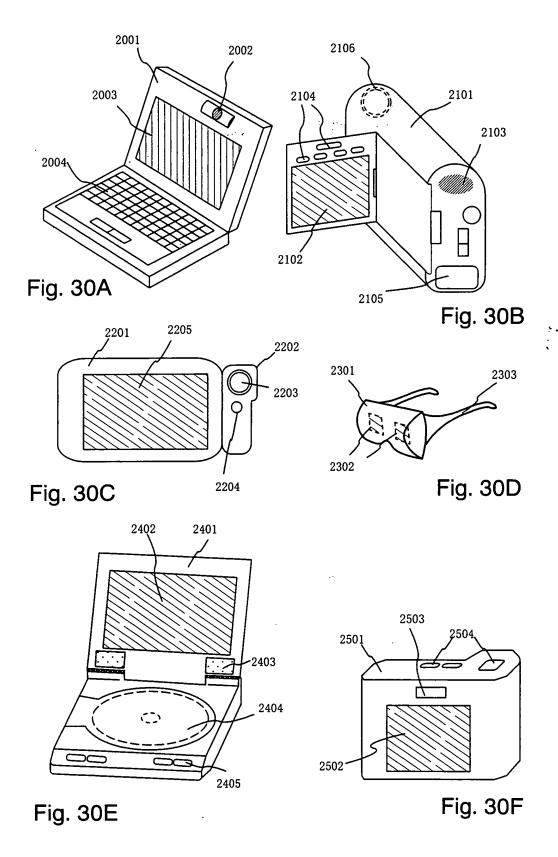


Fig. 29



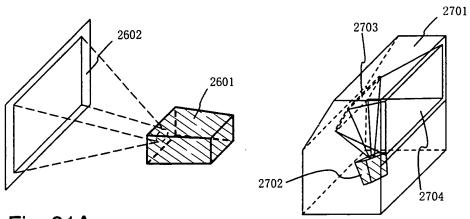


Fig. 31A

Fig. 31B

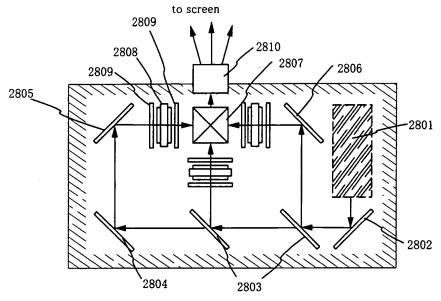


Fig. 31C

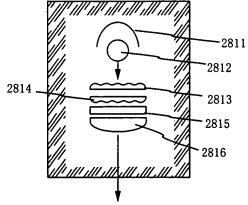
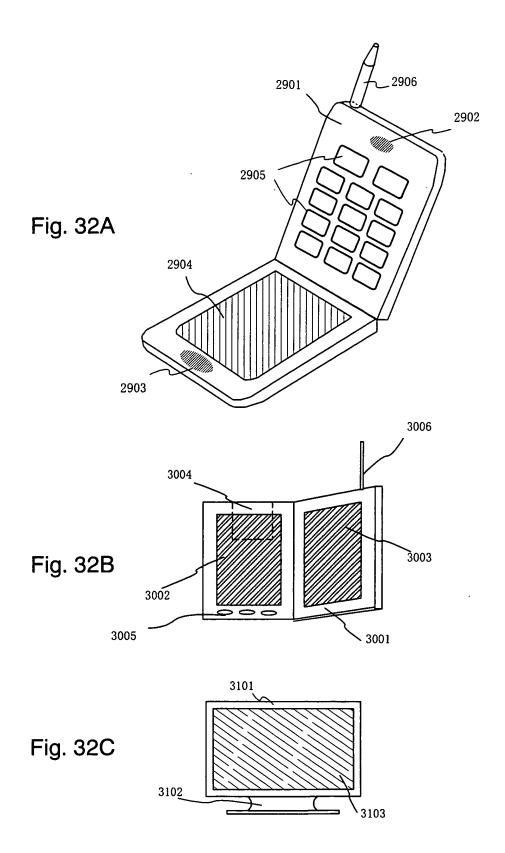
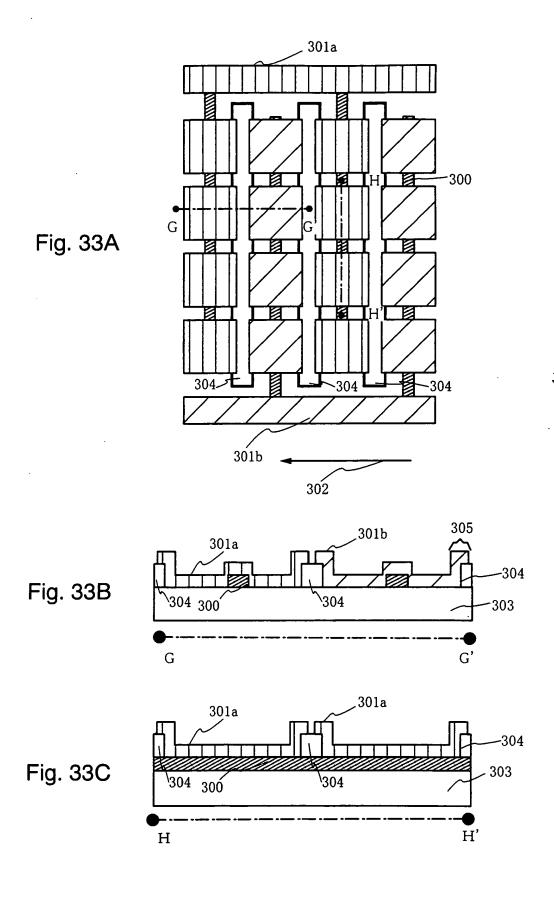


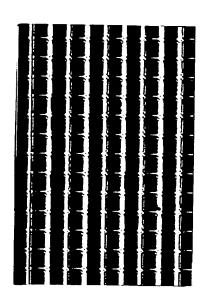
Fig. 31D





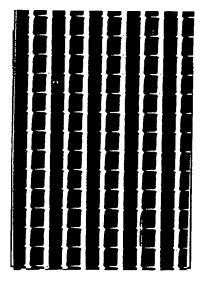
 $o = -1.0 \mu m$

Fig. 34A



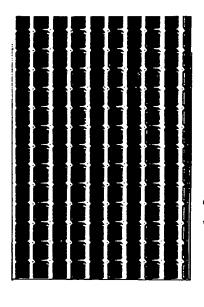
 $o = 0.5 \mu m$

Fig. 34C



 $o=0 \mu m$

Fig. 34B



 $o=1.0 \mu m$

Fig. 34D

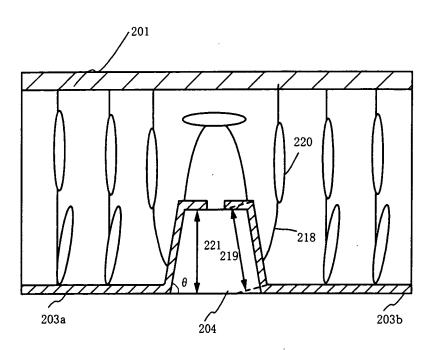
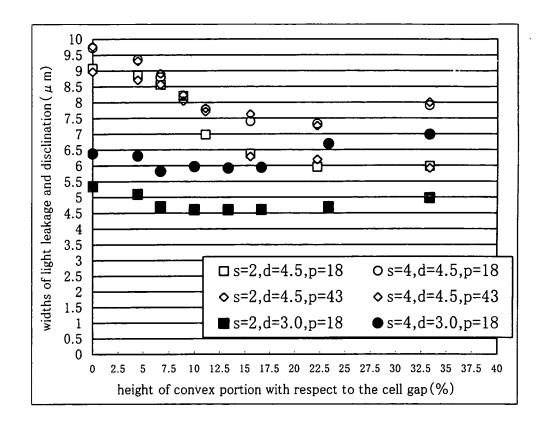


Fig. 35

Fig. 36



 $d:cell gap(\mu m)$

s: distance between pixel electrodes (μ m)

p:pixel pitch (μ m)

relationship between widths of light leakage and disclination (x) and height of convex portion (h)

